LABDEX

Gel Documentation System
LX5001GDS

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Description

Gel Documentation System LX5001GDS delivers high-resolution imaging at 2560 × 1920, ensuring excellent clarity. It features electric zoom lens protection, a UV-blocking cover to protect sensitive components, and a white light conversion plate for precise imaging. Additionally, its multi-layer coated filter kit enhances image quality by reducing reflections and improving contrast.

Specifications

Effective pixel	2560 × 1920
Pixel density	10 Bit
Pixel dimensions	5.4 x 5.4 µm
Resolution	5.0 Megapixels
Signal to noise ratio	≥56db
Sensitivity	Can detect the double chain DNA of EB staining below 20 pg
Camera	Low illumination and high resolution digital CCD
Zoom lens	F=1:1.2, 2/3” inch 6x zoom lens
Filter	590 nm
Transmission UV wavelength	302 nm
Reflection UV wavelength	254, 365 nm
Transmission UV lamp power	302 nm (8 W)
Reflection UV lamp power	254 (11 W), 365 nm (11 W)

UV transmission dimension (W x L)	250 x 200 mm
Visible light transmission dimension (W x L)	250 x 210 mm
Product dimension	470 x 405 x 820 mm
Weight	25 Kg
Packing dimension	710 x 760 x 1140 mm 420 x 320 x 330 mm
Gross weight	60 Kg 3 Kg

Features

- High-res CCD with low lux for clear imaging and real-time display
- Center indicator for accurate gel placement
- Intelligent dark box controls (zoom, focus, aperture, UV & white light)
- Auto UV shutdown when door opens; delayed UV shutdown option
- RS232/USB interface and zoom lens protection
- Drawer-style gel platform with protective cover
- PC Control support for all functions
- Modular design for easy maintenance and replacement

Applications

- It captures, analyzes, and documents images of nucleic acids and proteins separated by gel electrophoresis. Widely used in molecular biology, biotechnology, and genetic research for accurate visualization and data analysis.

Standard Accessories

- Mainframe x 1 Pcs

- UV Protective cover x 1 Pcs
- White light conversion board x 1 Pcs
- Control line x 1 Pcs
- USB line x 1 Pcs
- SA Insurance tube x 2 Pcs
- Power cord x 1 Pcs

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